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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,969	06/27/2001	Steven A. Bade	AUS920010358US1	3816

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EXAMINER	
HO, THOMAS M	

ART UNIT	PAPER NUMBER
2134	

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental

TH

Notice of Allowability	Application No.	Applicant(s)	
	09/892,969	BADE, STEVEN A.	
	Examiner	Art Unit	
	Thomas M. Ho	2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *2/17/05*.

2. ☒ The allowed claim(s) is/are *1-6,8-14 and 16-22, 24*.

3. ☒ The drawings filed on *27 August 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

SUPPLEMENTAL EXAMINER'S AMENDMENT

1. This is a supplemental Examiner's Amendment to correct the deficiencies of the Examiner's Amendment of 5/10/2005

2. Claims 1-24 are pending. Claims 7, 15, 23 have been canceled.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Francis Lammes on April 25th.

1. (Currently amended) A method in a data processing system, said method comprising the steps of:

receiving a request from a client for a secure Web page at a server, said secure Web page including static data;

establishing a secure session between said client and said server in response to said client transmitting said request;

associating a cache with said secure session;

determining whether a pre-encrypted version of said static data has been stored in said cache in response to said receipt of said request; and

in response to a determination that said pre-encrypted version of said static data has been stored in said cache, transmitting said pre-encrypted version of said static data;

receiving a request for static data included within said Web page;

checking the cache to determine whether the pre-encrypted version of said static data is already stored in said cache;

in response to a determination that said pre-encrypted version is stored in said cache, bypassing the encryption step and transmitting said pre-encrypted version of the static data; and

in response to a determination that said pre-encrypted version is not stored in said cache, encrypting said static data and transmitting said encrypted static data.

2. (Currently amended) The method according to claim 1, further comprising the step of in response to a determination that said static data has not been pre-encrypted, encrypting said static data and transmitting said encrypted static data.

3. (Currently amended) The method according to claim 2, further comprising the step of in response to a determination that said static data has not been pre-encrypted, storing said encrypted static data.

4. (Currently amended) The method according to claim 3, further comprising the step of storing said encrypted static data in the cache.

5. (Currently amended) The method according to claim 1, further comprising the steps of:

receiving a request for an image included within said Web page;

checking the cache to determine whether the pre-encrypted version of said image is already stored in said cache;

in response to a determination that said pre-encrypted version of said image is stored in said cache, bypassing the encryption step and transmitting said pre-encrypted version of the image; and

in response to a determination that said pre-encrypted version of said image is not stored in said cache, encrypting said image and transmitting said encrypted image.

6. (Currently amended) The method according to claim 1, further comprising the steps of:

receiving said request for said secure Web page, said secure Web page further including dynamically-changing data;

determining whether said static data has been pre-encrypted;

bypassing an encryption step and transmitting said static data in response to a determination that said static data has been pre-encrypted;

encrypting said dynamically-changing data; and

transmitting said encrypted, dynamically-changing data.

7. (Canceled)

8. (Original) The method according to claim 1, further comprising the step of maintaining said Web page by a secure Web site.

9. (Currently amended) A computer program product in a data processing system, comprising:

instruction means for receiving a request from a client for a secure Web page at a server, said secure Web page including static data;

instruction means for establishing a secure session between said client and said server in response to said client transmitting said request;

instruction means for associating a cache with said secure session;

instruction means for determining whether a pre-encrypted version of said static data has been stored in said cache in response to said receipt of said request; and

instruction means for in response to a determination that said pre-encrypted version of said static data has been stored in said cache, transmitting said pre-encrypted version of said static data ;

instruction means for receiving a request for static data included within said Web page;

instruction means for checking the cache to determine whether the pre-encrypted version of said static data is already stored in said cache;

instruction means for in response to a determination that said pre-encrypted version is stored in said cache, bypassing the encryption step and transmitting said pre-encrypted version of the static data; and

instruction means for in response to a determination that said pre-encrypted version is not stored in said cache, encrypting said static data and transmitting said encrypted static data.

10. (Currently amended) The product according to claim 9, further comprising instruction means for in response to a determination that said static data has not been pre-encrypted, encrypting said data and transmitting said encrypted static data.

11. (Currently amended) The product according to claim 10, further comprising instruction means for in response to a determination that said static data has not been pre-encrypted, storing said encrypted static data.

12. (Currently amended) The product according to claim 11, further comprising instruction means for storing said encrypted static data in the cache.

13. (Currently amended) The product according to claim 9, further comprising:

instruction means for receiving a request for an image included within said Web page;

instruction means for checking the cache to determine whether the pre-encrypted version of said image is already stored in said cache;

instruction means for in response to a determination that said pre-encrypted version of said image is stored in said cache, bypassing the encryption step and transmitting said pre-encrypted version of the image; and

instruction means for in response to a determination that said pre-encrypted version of said image is not stored in said cache, encrypting said image and transmitting said encrypted image.

14. (Original) The product according to claim 9, further comprising:

instruction means for receiving said request for said secure Web page, said secure Web page further including dynamically-changing data;

instruction means for determining whether said static data has been pre-encrypted;

instruction means for bypassing an encryption step and transmitting said static data in response to a determination that said static data has been pre-encrypted;

instruction means for encrypting said dynamically-changing data; and

instruction means for transmitting said encrypted, dynamically-changing data.

15. (Canceled)

16. (Original) The product according to claim 9, further comprising instruction means for maintaining said Web page by a secure Web site.

17. (Currently amended) A data processing system, comprising:

a request from a client being received by a server for a secure Web page , said secure Web page including static data;

a secure session being established between said client and said server in response to said client transmitting said request;

a cache associated with said secure session;

a CPU executing code for determining whether a pre-encrypted version of said static data has been stored in said cache in response to said receipt of said request; and

in response to a determination that said pre-encrypted version of said static data has been stored in said cache, said CPU executing code for transmitting said pre-encrypted version of said static data ;

said CPU receiving a request for static data included within said Web page;

said CPU checking the cache to determine whether the pre-encrypted version of said static data is already stored in said cache;

in response to a determination that said pre-encrypted version is stored in said cache, said CPU bypassing the encryption step and transmitting said pre-encrypted version of the static data; and

in response to a determination that said pre-encrypted version is not stored in said cache, said CPU encrypting said static data and transmitting said encrypted static data.

18. (Currently amended) The system according to claim 17, further comprising in response to a determination that said static data has not been pre-encrypted, said CPU executing code for encrypting said static data and transmitting said encrypted static data.

19. (Currently amended) The system according to claim 18, further comprising in response to a determination that said static data has not been pre-encrypted, said CPU executing code for storing said encrypted static data.

20. (Currently amended) The system according to claim 19, further comprising the cache for storing said encrypted static data.

21. (Currently amended) The system according to claim 17, further comprising:

said Web page including a request for an image included within said Web page;

said CPU executing code for checking the cache to determine whether the pre-encrypted version of said image is already stored in said cache;

in response to a determination that said pre-encrypted version of said image is stored in said cache, said CPU executing code for bypassing the encryption step and transmitting said pre-encrypted version of the image; and

in response to a determination that said pre-encrypted version of said image is not stored in said cache, said CPU executing code for encrypting said image and transmitting said encrypted image.

22. (Original) The system according to claim 17, further comprising:

said secure Web page further including dynamically-changing data;

said CPU executing code for determining whether said static data has been pre-encrypted;

said CPU executing code for bypassing an encryption step and transmitting said static data in response to a determination that said static data has been pre-encrypted;

said CPU executing code for encrypting said dynamically-changing data; and

said CPU executing code for transmitting said encrypted, dynamically-changing data.

23. (Canceled)

24. (Original) The system according to claim 17, further comprising said Web page being maintained by a secure Web site.

Examiner's Comment

In regards to the allowance of these claims, the Examiner has interpreted the term "static data" to refer to information that does not frequently change on a website such as a company logo as detailed by the specification. To this effect, the Applicant has recited on (page 3).

Many Web pages include various marketing information and logos that are not unique to any particular page, are not security sensitive, ***and do not change frequently. For example company logo images do not often change.***

The known systems described above encrypt the non-sensitive and static data along with the security sensitive data each time the information is transmitted to a client. This is unnecessary and can be very time-consuming.

Therefore, a need exists for a method, system, and product whereby a secure Web site stored pre-encrypted static information. The Web site then encrypts dynamically-changing information in response to each request, and bypasses the encryption step for the static information that has been pre-encrypted.

The Examiner previously stated in a telephonic communication with Applicant's representative, it is understood that the "preencryption" and storing of data frequently occurs with digital certificates. Digital certificates are by definition digitally signed or "encrypted." The storing of digital certificates into a cache is well known in the art. For this reason, the Examiner has required the claims be amended from reciting "data" into "static data", the nature of which is described in the specification, displayed above. Furthermore, information such as that which is typically placed into forms, is by it's very nature dynamic data because it requires the user to enter in information, allowing the information to change from user to user or even session to session.

The Examiner also notes that while it is true that all data must be necessarily "static", that is, unchanging, for at least some period of time (a digital certificate may be static for the period

of time allotted before the expiration of it's term, dynamic data may be static for periods of minutes or hours), the term "static data" interpreted in light of the specification offers sufficiently clear disclosure as to how this term is to be interpreted. (Information such as corporate logos that do not change frequently.)

Conclusion

3. Any inquiry concerning this communication from the examiner should be directed to Thomas M Ho whose telephone number is (571)272-3835. The examiner can normally be reached on M-F from 9:30 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory A. Morse can be reached on (571)272-3838.

The Examiner may also be reached through email through Thomas.Ho6@uspto.gov

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2100.

General Information/Receptionist	Telephone: 571-272-2100	Fax: 703-872-9306
Customer Service Representative	Telephone: 571-272-2100	Fax: 703-872-9306

TMH

June 13th, 2005

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